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Lynn Shapiro Starr
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March 2, 1998

Ms. Magalie Roman Salas
Secretary
Federal Communications Commission
1919 M Street, NW
Room 222
Washington, DC 20554

Written Ex Parte Statement
CC Docket 96-98

Dear Ms. Salas:

Please enter the attached ex parte in the record of this proceeding, including the Further Notice of Proposed Rulemaking released on August 18, 1997 (FCC 97-295).

In the attached ex parte, Ameritech sets forth its concerns that "exclusive use" language pertaining to switching functionality contained in the First Order on Reconsideration is inconsistent with Section 51.319 (c) of the Commission's Rules and Regulations. Ameritech urges the Commission to clarify that the purchaser of a line port obtains use of the local switching functionality, but not exclusive use, and that the purchaser of a trunk port also obtains the right to use shared switching functionality to enable it to complete trunk to line calls for its local exchange customers. In addition, where both originating and terminating carriers claim use of the shared switch fabric, the originating carrier should be charged for the shared switching functionality.

Sincerely,

A handwritten signature in cursive script, appearing to read "Lynn Shapiro Starr".

Attachment

**UNBUNDLED LOCAL SWITCHING:
“Exclusive Line-Port Use” Or “Originating Carrier Pays”**

Introduction: In response to its pending Further Notice of Proposed Rulemaking in Docket 96-98, released on August 18, 1997 (FCC 97-295 “Further Notice”), the Commission should rule that use of Section 251(c)(3) unbundled interoffice transmission facilities to originate or terminate interexchange traffic is contrary to the Act – if the requesting carrier does not also provide local exchange service with that network element. Section 251(c)(3) of the Act cannot be used by interexchange carriers as a substitute for exchange access service. Such an interpretation of Section 251(c)(3) would be in conflict with Sections 251(g), 251(i) and 254 of the Act. (See Comments and Reply of Ameritech dated October 2, 1997 and October 17, 1997, Docket 96-98).

Ameritech is filing this ex parte, which addresses *unbundled local switching*, because the Further Notice which addresses *interoffice transport* refers to, and may rely upon, the First Order on Reconsideration in Docket 96-98. (See Further Notice at ¶¶ 60, 61 and note 160.) The Commission's First Order on Reconsideration correctly concluded that unbundled local switching cannot be used exclusively to provide exchange access. Despite this correct outcome, Ameritech is concerned that certain language in the First Order on Reconsideration is inconsistent with the Commission's existing regulations, and, if relied upon, would undermine the Commission's procompetitive policy to encourage efficient local entry because of the significant and costly implementation problems it creates.

The Issue: On September 27, 1996, in its First Order on Reconsideration in Docket 96-98 the Commission appears to suggest that the purchaser of an unbundled local switching (ULS) line port is entitled to “exclusive use” of all switching functionality for any communication to or from that line port. The FCC described unbundled local switching network as follows:

The unbundled switching element, as defined in the First Report and Order, includes the line card, which is often dedicated to a particular customer. Thus, a carrier that purchases an unbundled local switching element to serve an end user effectively obtains the exclusive right to provide all features, functions and capabilities of the switch, including switching for exchange access and local exchange service, for that end user. ¶ 11. (emphasis added)

As stated, this “exclusive use” language is inconsistent with the Commission's existing regulations applicable to unbundled local switching if it is meant to apply to call termination. See Rule 51.319(c). The First Order on Reconsideration – unlike Rule 51.319(c) – is based on a false technical premise. The “exclusive use” interpretation

ignores the fact that all users of ports have access to the same switching functionality for intraswitch calls. Likewise, for interswitch calls, the Commission's existing Rule 51.319(c) correctly provides that the purchaser of an unbundled trunk port has the right to use shared switching functionality to complete local calls to any other port in that terminating switch. Therefore, Rule 51.319(c) is consistent with the engineering fact that a local switch has the capability to connect a particular line port to a multiplicity of line ports and trunk ports. And, a variety of trunk ports can all connect to a single line port. Obviously, two different switch port users, the one making the call and the one receiving the call, cannot each have "exclusive use" of the same switching functionality at the same time.

Implementation Problems The "exclusive use" language also causes significant technical problems that make implementation of unbundled local switching unnecessarily difficult and costly. If only the line port purchaser can use shared switching functionality – and the originating carrier that purchases a trunk port in that switch cannot use such shared functionality – then new network recording capability must be added to every end office switch and to the existing message record for each local call. These new functionalities must be implemented by every incumbent local exchange carrier. These significant network changes would be required to enable the recording of terminating usage and the identification of the originating local carrier. None of these capabilities exists today.

On the other hand, these significant (and unnecessary) network costs and delays would not be required, if the originating local exchange carrier that purchases unbundled interoffice transport and unbundled trunk ports is permitted to access the shared switching functionality at the terminating switch to complete its end users' calls. The originating carrier that purchased the trunk port would simply be charged for the use of originating and terminating shared switching functionality to complete the call. This simple and straight-forward result is consistent with Rule 51.319(c); but it does not appear consistent with the Commission's "exclusive use" interpretation in the First Order on Reconsideration if such interpretation applies to call termination.

Requested Relief Accordingly, the Commission should conform its First Order on Reconsideration to its existing regulation. The Commission should clarify that the purchaser of a line port obtains use of the shared switching functionality, but not exclusive use. The Commission should also reaffirm – as Rule 51.319(c) currently provides – that the purchaser of a trunk port obtains the right to use shared switching functionality to enable it to complete trunk port to line port calls for its local exchange customers. Finally, where both originating and terminating carriers claim to use the shared switching functionality, the originating carrier – as the initial cost causer – should be charged for the shared switching functionality. If the Commission provides these slight clarifications, it will ensure a technically sound public policy result and avoid significant (and unnecessary) network implementation costs and delays.

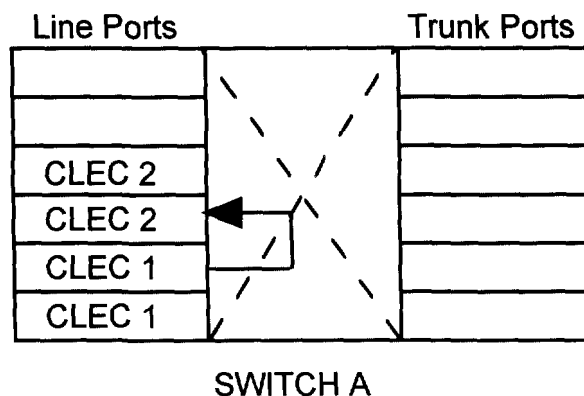
1. The “Exclusive Use” Language Is Based On A False Technical Premise.

The notion that the purchaser of the line port obtains the “exclusive use” of all switching functionality for calls that both originate from and terminate to that customer is technically incorrect. In fact, many other carriers that purchase line ports and trunk ports to provide local service may use the same shared switching functionality to complete calls to the customer served by that line port. A few call-flow examples may be helpful.

Call-Flow Examples

A. Intraswitch Calls

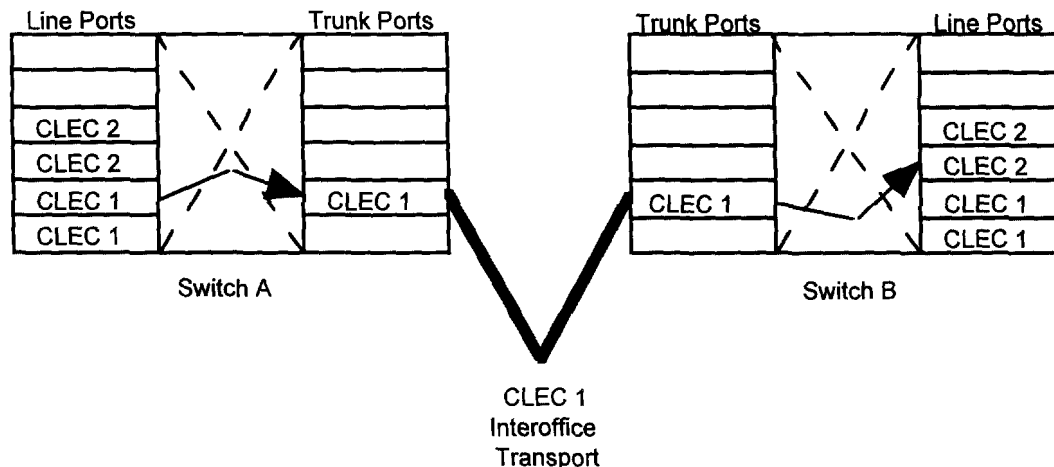
The fallacy of the “exclusive use” assumption is best illustrated by local intraswitch calls.



For example, assume in Switch A two requesting carriers have purchased unbundled local switching “line ports” to serve their respective customers. If a customer of CLEC 1 calls a customer of CLEC 2, both carriers cannot obtain “exclusive use” of the same local switching functionality for the same call. The switching fabric is a shared function used by both carriers to originate and terminate calls for their local customers. If a customer of CLEC 1 calls a customer of CLEC 2, the originating carrier pays for the use of the switching functionality to complete the call to the customer of CLEC 2. No one would suggest that CLEC 1’s use of the switching functionality to complete the call is improper because it doesn’t provide CLEC 2 with the “exclusive use” of the switching capability for its customer served by the line port it purchased. The fact that the line port is a dedicated functionality does not mean that all shared functionality of the switch is somehow transformed into “exclusive use” for that particular line port; it does not.

B. Interswitch Local Call

This is further illustrated by a local interswitch call. This example assumes that the originating carrier, CLEC 1, purchases interoffice transport facilities and trunk ports at the originating and terminating switch locations. It also assumes CLEC 1 and CLEC 2 purchase line ports to serve their respective end user customers.



When CLEC 1's customer in Switch A calls CLEC 2's customer in Switch B, the originating carrier providing local service (in this example, CLEC 1) should be able to obtain access to: ULS switching for originating the call in Switch A, trunk ports at both Switches A and B, interoffice transport between Switches A and B, and ULS switching in Switch B to terminate the call to the line port of the called end user. The call is then "handed off" at the "dedicated" line port of CLEC 2's customer in Switch B. Because the ULS line port and the loop are non-traffic sensitive, flat-rated charges, CLEC 2 has no additional usage sensitive costs to recover for completing the call. This approach eliminates the significant network-related costs that would be required to record usage and carrier identity at the terminating end office because such recording would not be required, the originating ULS carrier would pay for terminating switching to complete the call.

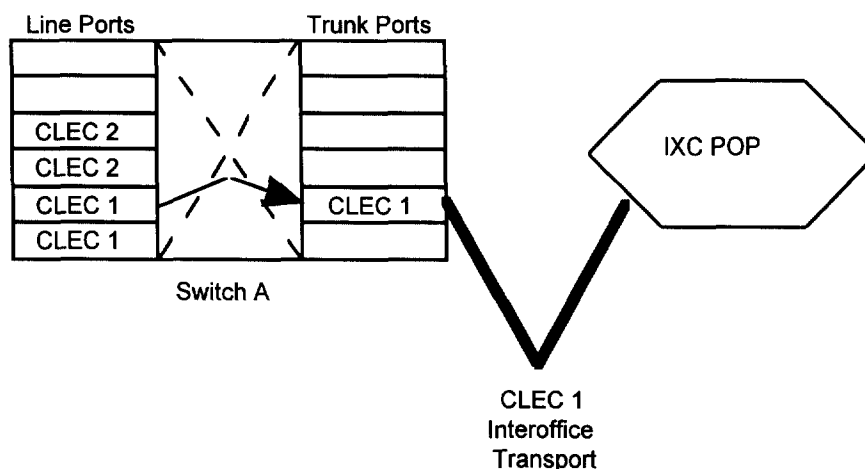
C. IntraLATA Toll Call

The same basic network configuration and network element charges discussed above in connection with an interswitch local call would also apply to an intraLATA toll call, if the originating carrier has obtained access to interoffice transport and trunk ports to complete the calls between the two switches within the LATA. However, if the originating local carrier has not acquired such interoffice transport, then the call would be

carried by the pre-subscribed intraLATA toll provider for that end user. In that case, the intraLATA toll carrier would bill the end user customer for the call and would be charged originating and terminating exchange access by the ILEC who provides the facilities used to transport and terminate the call.

D. InterLATA Calls

This same result would apply in the case of an interLATA call.



If the CLEC who provides local service to the originating customer has arranged for interoffice transport from the originating switch to the POP, the incumbent LEC would bill the CLEC unbundled network element prices for switching (including usage and trunk ports) and interoffice transport charges. The CLEC would then bill exchange access, whether it be terminating or originating, to the interexchange carrier for all calls that originated or terminated to its local customer.

On the other hand, if the CLEC had not arranged for interoffice transport to the IXC's POP, then the incumbent LEC would carry the call as it does today to the presubscribed IXC for that end user. The ILEC would then bill, as appropriate, originating or terminating exchange access to the presubscribed IXC. This latter result is required because, as discussed in Ameritech's comments in the Further Notice, an interexchange carrier that does not provide local service to that customer cannot use unbundled network elements solely as a substitute for exchange access service.

* * * *

As these call-flows demonstrate, a new entrant that purchases a line port to serve a specific local customer does not become the "exclusive" provider of all switching functions when a call terminates to that end user.

2. The “Exclusive Use” Language Is Inconsistent With The Commission's Existing Unbundled Switching Regulation: Rule 51.319(c).

The “exclusive use” interpretation is inconsistent with the Commission's existing regulations because – unlike Rule 51.319(c) – the “exclusive use” position overlooks the fact that carriers purchasing ULS trunk ports have the same right to use the same switching fabric as line port purchasers. In contrast, the Commission's existing definition of local switching includes both line-side and trunk-side facilities: “The line-side facilities include the connection between a loop termination at, for example, the main distribution frame, and a switch line card.” At the same time, “trunk-side facilities include the connection between, for example, trunk termination at a trunk-side cross connect panel and a trunk card.” Moreover, the “basic switching function” includes the function of connecting “lines to lines, lines to trunks, trunks to lines, trunks to trunks.” See ¶ 412, and Rule 51.319(c)(1)(i)(C). (emphasis added)

Nowhere in the Commission's regulations is there a requirement that a trunk port be dedicated to a particular end user. In fact, many different trunk ports in a local switch may terminate traffic to the same line port. Since dedicated interoffice transport is unbundled from switching, the purchaser of such transport is required to purchase trunk ports at both ends of each interoffice transport facility to gain access to the shared switching functionality to originate or terminate calls. This is true whether or not such carrier purchased a line port in both the originating and terminating end office. For these reasons, the First Report and Order and the Commission's regulations entitle the purchaser of the trunk port to obtain the capabilities of the switch which include “the basic switching function of connecting . . . trunks to lines” See Rule 51.319(c)(1)(i)(C). The Commission's sole focus on the line port in its First Order on Reconsideration is, therefore, too narrow because it omits consideration of switching and trunk ports for call termination. Therefore, it should be conformed to be consistent with the existing regulations.

3. The “Exclusive Use” Interpretation Will Undermine The Commission's Procompetitive Policy To Promote Efficient Local Entry.

The fiction that the purchaser of the line port controls all local switching for both outgoing and incoming calls for that line port will also undermine the Commission's procompetitive policies to encourage efficient local entry. That is because the “exclusive use” notion creates severe technical problems, significant delays and unnecessary costs.

Neither the existing exchange message records nor the incumbent LECs' local switches have the capability to identify or record the data necessary to bill reciprocal compensation and access charges for terminating traffic. This recording capability currently does not exist and, unless the Commission clarifies this position, it would require a considerable expenditure of time and money to implement. Moreover, originating local carrier identity currently is not contained in the industry standard exchange message record. Although

the billing forums are looking at this issue, there is no immediate solution and switching vendors have not committed to any development schedule to address this issue. Therefore, it is currently impossible to identify, even if terminating usage was to be recorded, the identity of the originating local exchange carrier. Significantly, this undisputed limitation would be irrelevant if the originating ULS carrier was charged both originating and terminating unbundled local switching.

4. The Commission Should Conform Its First Order On Reconsideration To Its Existing Regulations.

This situation can be easily and equitably resolved by the Commission by conforming its discussion in the First Order on Reconsideration to its existing regulations. The Commission should clarify that the purchaser of a line port obtains use of the local switching functionality, but not exclusive use. The Commission should also reaffirm – as Rule 51.319(c) currently provides – that the purchaser of a trunk port also obtains the right to use shared switching functionality to enable it to complete trunk to line calls for its local exchange customers. Finally, where both originating and terminating carriers claim use of the shared switch fabric, the originating carrier – as the initial cost causer – should be charged for the shared switching functionality.

By adopting these changes, the Commission would avoid the extensive administrative burdens of two ULS carriers being required to bill each other on virtually all calls between their customers. And, as a related matter, these clarifications would eliminate the very real price arbitrage possibility that is generated when the price for terminating unbundled local switching is lower than the price for reciprocal compensation termination. For example, assume that a customer of an incumbent LEC or a reseller of an incumbent LEC makes a local untimed call to a customer served by a ULS carrier in a different switch. Under the “exclusive use” scenario, the originating carrier would bill its customer on an untimed, flat-rated basis. The terminating ULS carrier would be billed on a per minute unbundled local switching rate and would then charge reciprocal compensation to the originating carrier at its reciprocal compensation termination rate. In this case, it is very feasible that the originating carrier’s revenue (either at retail or wholesale) would be significantly less than the net of the reciprocal compensation termination charge and ULS usage. This arbitrage possibility is eliminated if the originating ULS carrier is charged unbundled local switching for both origination and termination of the call and the terminating ULS carrier is not charged for switching usage..

If the Commission provides the slight clarifications described above, it will provide for a technically sound public policy outcome. In addition, it will avoid the significant and unnecessary network costs and technical feasibility issues associated with implementing unbundled local switching in a manner consistent with the “exclusive use” interpretation.